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Experiment: 27. Implement a face detection algorithm using Open CV to detect and locate human faces in the images.

Code:

```
import cv2  
  
i = cv2.imread("face.jpg")  
  
g = cv2.cvtColor(i, cv2.COLOR_BGR2GRAY)  
  
fc = cv2.CascadeClassifier(cv2.data.haarcascades +  
    "haarcascade_frontalface_default.xml")  
  
f = fc.detectMultiScale(g, 1.3, 5)  
  
for (x, y, w, h) in f:  
    cv2.rectangle(i, (x, y), (x+w, y+h), (0, 255, 0), 2)  
  
cv2.imshow("Face Detection", i)  
  
cv2.waitKey(0)  
  
cv2.destroyAllWindows()
```

Input and Output:

